

1. Deng, Y., Levine, H., Mao, X. & Sander, L. M. Collective motility and mechanical waves in cell clusters. *European Phys J E* **44**, 137 (2021).
2. Feng, J., Levine, H., Mao, X. & Sander, L. M. Cell motility, contact guidance, and durotaxis. *Soft Matter* **15**, 4856–4864 (2019).
3. Doering, C. R., Mao, X. & Sander, L. M. Random walker models for durotaxis. *Physical biology* **15**, 066009–8 (2018).
4. Kim, J. *et al.* Stress-induced plasticity of dynamic collagen networks. *Nature Communications* 1–7 (2017)
5. Zhang, L., Rocklin, D. Z., Sander, L. M. & Mao, X. Fiber networks below the isostatic point: Fracture without stress concentration. *Phys Rev Mater* **1**, 052602 (2017).
6. Feng, J., Levine, H., Mao, X. & Sander, L. M. Nonlinear elasticity of disordered fiber networks. *Soft Matter* **12**, 1419–1424 (2016).
7. Roach, J. P., Sander, L. M. & Zochowski, M. R. Memory Recall and Spike Frequency Adaptation. *Phys. Rev. E* **93**, 052307 (2016).
8. Roach, J. P., Ben-Jacob, E., Sander, L. M. & Zochowski, M. R. Formation and Dynamics of Waves in a Cortical Model of Cholinergic Modulation. *PLoS Computational Biology* **11**, e1004449 (2015).
9. Feng, J., Levine, H., Mao, X. & Sander, L. M. Alignment and nonlinear elasticity in biopolymer gels. *Physical Review E* **91**, 042710 (2015).
10. Holfinger, S. J. *et al.* Pancreatic Epithelial Cells Form Islet-Like Clusters in the Absence of Directed Migration. *Cellular and Molecular Bioengineering* **8**, 496–506 (2015).